

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2016 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD2062</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2062 Stewart</b>	<b>M</b>	<b>12.14</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.38		0.38	3.13%				
Trim / Thin Trees	0.01		0.01	0.08%				
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.20		0.20	1.65%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.08%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04	0.20	0.84	6.92%				
DWR UCIP Field Study					0.13	0.03		
<i>LMA Totals:</i>	0.65	0.20	1.45	11.94%	0.13	0.03	0.00	0.00

<b>Unit No. 01 San Joaquin River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2062</b>	<b>A</b>	<b>2.64</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Slope Stability	0.01		0.01	0.38%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.38%	0.03	0.00	0.00	0.00

<b>Unit No. 02 Paradise Cut RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2062</b>	<b>A</b>	<b>3.96</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Erosion / Bank Caving	0.01		0.01	0.25%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06	0.02		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.25%	0.06	0.02	0.00	0.00

<b>Unit No. 03 Old River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2062</b>	<b>U</b>	<b>5.55</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.38		0.38	6.85%				
Trim / Thin Trees	0.01		0.01	0.18%				
Erosion / Bank Caving	0.19		0.19	3.42%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.18%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04	0.20	0.84	15.14%				
DWR UCIP Field Study					0.04	0.01		
<i>Unit Totals:</i>	0.63	0.20	1.43	25.77%	0.04	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/20/2016 - 4/20/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Lyn Hale RD2062		Lyn Hale RD2062	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_RD2062_01_f_2013_2				
Comment Code					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_RD2062_01_s_2013_5				
Comment Code					
Inspector Comment					
Adequate flood fight supplies are available on-site.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_RD2062_01_s_2013_8				
Comment Code					
Inspector Comment					
The LMA has a flood fight emergency response plan.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.72	Rating **	A/W	Issue No.	6
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805138 °	37.805138 °
				-121.316420 °	-121.316420 °
DWR ID	DWR_RD2062_01_s_2015_6				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
New levee patrol road is being installed. Make sure all-weather access is available before next flood season.					

Photo 1 of 1 : FA\_2016\_RD2062\_309\_6\_20160914\_00001.jpg



View of the new patrol road installation in process.

LM Start	1.27	Rating **	A	Issue No.	7
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.798538 °	37.788692 °
				-121.313634 °	-121.308827 °
DWR ID	DWR_RD2062_01_f_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has a good vegetation control program.					

Photo 1 of 1 : FA\_2016\_RD2062\_309\_7\_20160929\_00011.jpg



View of the vegetation on the waterside levee slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	10
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793521 °	37.793521 °
				-121.315348 °	-121.315348 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22807					
DS_ID:19177					
EP_NO: 12679					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing.					
FIELD_STRUCT_DESC: 1 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124)					
FS Date: 10/22/2013					

LM Start	<b>1.64</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_22807\_38905.jpg



WS view: pipes, walkway, and dismantled pumphouse (right).

Photo 2 of 2 : UCIP\_FA\_2016\_22807\_38904.jpg



WS view: 16-inch pipes on both sides of walkway and 10-inch pipe (on right) away from walkway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	11
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793510 °	37.793510 °
				-121.315345 °	-121.315345 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22809 DS_ID:19183 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 2 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013					

LM Start	<b>1.64</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_22809\_38913.jpg



WS view: pipes, walkway, and dismantled pumphouse (right).

Photo 2 of 2 : UCIP\_FA\_2016\_22809\_38912.jpg



WS view: 16-inch pipes on both sides of walkway and 10-inch pipe (on right) away from walkway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	12
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793497 °	37.793497 °
				-121.315340 °	-121.315340 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22810					
DS_ID:19184					
EP_NO: 12679					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - All 3 pipes on landside looks new. No pump associated with 8-inch pipe.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing.					
FIELD_STRUCT_DESC: 3 of 3: one 8-inch pipe, two 16-inch pipes, and three electric conduits through the levee 8.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. Installed by the United States Army Corps of Engineers, 1961. (App. No. 12679)					
FS Date: 10/22/2013					

LM Start	<b>1.64</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_22810\_38918.jpg



WS view: pipes, walkway, and dismantled pumphouse (right).

Photo 2 of 2 : UCIP\_FA\_2016\_22810\_38917.jpg



WS view: electric conduit and 10-inch pipe (right). Dismantled/removed pipe and pump house (far right).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.14	Rating **	M	Issue No.	9
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.793991 °	37.793991 °
				-121.308524 °	-121.308524 °
DWR ID	DWR_RD2062_01_f_2016_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
It is recommended to control levee access to prevent possible future damage to the levee slopes.					

Photo 1 of 1 : FA\_2016\_RD2062\_309\_9\_20160929\_00012.jpg



View of the waterside levee slope erosion due to vehicles driving on the slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/20/2016 - 4/20/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Lyn Hale RD2062		Lyn Hale RD2062	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.56	Rating **	M	Issue No.	20
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784380 °	37.784380 °
				-121.338985 °	-121.338985 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23110					
DS_ID:24697					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Found on field with the help of USACE 2012 PI					
Report.Needs proper abandonment.					
FIELD_STRUCT_DESC: Abandoned 24-inch steel pipe through the					
levee. Damaged siphon breaker on waterside levee slope. Pump on					
concrete sump on landside. Service pole on landside levee slope.					
Pump was disconnected from service pole.					
FS Date: 10/23/2013					

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_23110\_39398.jpg



WS view: power pole (left), siphon breaker (marked- left), and steel pipe (right) on levee slope.

Photo 2 of 2 : UCIP\_FA\_2016\_23110\_39397.jpg



WS view: exposed steel pipe and damaged siphon breaker on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2062 Stewart

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.75</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_23181\_39792.jpg



WS view: pipe, walkway, service pole, and pumphouse on levee slope.

Photo 2 of 2 : UCIP\_FA\_2016\_23181\_39791.jpg



WS view: leaky slant pump in pumphouse on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable                      C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.37	Rating **	M	Issue No.	19
LM End	1.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.791821 °	37.791821 °
				-121.350448 °	-121.350448 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23062					
DS_ID:19193					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - pumphouse on concrete sump in the channel.- erosion under walkway on waterside.					
FIELD_STRUCT_DESC: 20-inch pipe through the levee 8 feet below the crown. Pump house on the waterward slope and a metal walkway from the pump house to the crown. Flap gate, air vent, and concrete distribution box on the landward slope.					
FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_23062\_39195.jpg



WS view: pipe, walkway, and pumphouse on levee berm. Service pole on waterside.

LM Start	<b>1.37</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>1.37</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2016\_23062\_39194.jpg



WS view: leaky pump and control box in pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	22
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794009 °	37.794009 °
				-121.354417 °	-121.354417 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50452  
DS\_ID:19194  
EP\_NO: 4305  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipe. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact the levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: 1 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007].  
FS Date: 8/31/2016

LM Start	<b>1.64</b>	Rating **	<b>U</b>	Issue No.	<b>22 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	<b>En</b>	Location *	<b>WS</b>

Photo 1 of 2 : UCIP\_FA\_2016\_50452\_39187.jpg



WS view: pipes, walkway, and pumphouse with missing roof (right).

Photo 2 of 2 : UCIP\_FA\_2016\_50452\_39186.jpg



WS view: walkway to pumphouse. Walkway in poor condition.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	23
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794014 °	37.794014 °
				-121.354434 °	-121.354434 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50454  
DS\_ID:19197  
EP\_NO: 4305  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipes. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: 2 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007].  
FS Date: 8/31/2016

LM Start	<b>1.64</b>	Rating **	<b>U</b>	Issue No.	<b>23 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	<b>En</b>	Location *	<b>WS</b>

Photo 1 of 2 : UCIP\_FA\_2016\_50454\_39176.jpg



WS view: pipes, walkway, and pumphouse with missing roof (right).

Photo 2 of 2 : UCIP\_FA\_2016\_50454\_39175.jpg



WS view: walkway in poor condition, to pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.76	Rating **	A	Issue No.	11
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.803462 °	37.803462 °
				-121.371146 °	-121.371146 °
DWR ID	DWR_RD2062_02_f_2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has good vegetation control program.					

Photo 1 of 1 : FA\_2016\_RD2062\_310\_11\_20160929\_00030.jpg



View of the vegetation on the waterside levee slope.

LM Start	2.84	Rating **	C	Issue No.	3
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.803827 °	37.803827 °
				-121.372424 °	-121.372424 °
DWR ID	DWR_RD2062_02_s_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Three small tree stumps.					

No Photos

LM Start	2.88	Rating **	C	Issue No.	13
LM End	2.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804060 °	37.804060 °
				-121.373245 °	-121.373245 °
DWR ID	DWR_RD2062_02_s_2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Four small oak stumps on levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.98	Rating **	C	Issue No.	14
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804452 °	37.804452 °
				-121.374903 °	-121.374903 °
DWR ID	DWR_RD2062_02_s _ 2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.01	Rating **	C	Issue No.	15
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804481 °	37.804481 °
				-121.375510 °	-121.375510 °
DWR ID	DWR_RD2062_02_s _ 2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	17
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804770 °	37.804770 °
				-121.379679 °	-121.379679 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23304					
DS_ID:19199					
EP_NO: 11524					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - waterside pipe immersed into channel water.-					
most of the pipe on landside exposed and siphon breaker on waterside					
not protected.					
FIELD_STRUCT_DESC: 1 of 3: One of 2x24-inch pipes through the					
levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet					
below the crown. Siphon breakers on waterward slope. Pump on steel					
platform in drainage ditch, 350 ft. from levee center off the the landward					
berm. (App. No. 11524)					
FS Date: 10/22/2013					

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_23304\_40147.jpg



WS view: 24-inch steel pipe (left) with siphon breaker on levee slope. 18-inch pipe on right.

Photo 2 of 2 : UCIP\_FA\_2016\_23304\_40146.jpg



WS view: leaky siphon breaker on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	18
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804777 °	37.804777 °
				-121.379704 °	-121.379704 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:23023  
DS\_ID:19198  
EP\_NO: 11524  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: - 18-inch pipe bifurcated near the pump and two gate valves installed.- waterside pipe immersed into channel water.- most of the pipe on landside exposed and siphon breaker on waterside not protected.  
FIELD\_STRUCT\_DESC: 2 of 3: 18-inch pipe through the levee 4.0 feet below the crown. 2x24-inch pipes through the levee 2.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm.  
(App. No. 11524)  
FS Date: 10/22/2013

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_23023\_39082.jpg



WS view: exposed 18-inch pipe with siphon breaker on levee slope.  
Exposed 24-inch pipe (left).

Photo 2 of 2 : UCIP\_FA\_2016\_23023\_39081.jpg



WS view: closer view of 18-inch pipe with siphon breaker on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	16
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804787 °	37.804787 °
				-121.379734 °	-121.379734 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23305					
DS_ID:19195					
EP_NO: 11524					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - no associated pump or any other appurtenances found on landside.- looks abandoned pipe. Needs proper abandonment.					
FIELD_STRUCT_DESC: 3 of 3: One of 2x24-inch pipe through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. (App. No. 11524)					
FS Date: 10/22/2013					

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_23305\_40153.jpg



WS view: siphon breaker in steel pipe riser on levee slope.

Photo 2 of 2 : UCIP\_FA\_2016\_23305\_40152.jpg



WS view: closer view of siphon breaker in steel pipe riser on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	3.64	Rating **	M	Issue No.	8
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.806347 °	37.806347 °
				-121.386692 °	-121.386692 °
DWR ID	DWR_RD2062_02_s_2014_8				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2062\_310\_8\_20160914\_00002.jpg



View of the erosion from surface runoff on the waterside levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/20/2016 - 4/20/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Lyn Hale RD2062		Lyn Hale RD2062	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	-0.04	Rating **	U	Issue No.	1
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809414 °	37.809414 °
				-121.390328 °	-121.390328 °
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: Site is at the upstream of a drainage ditch. [2016 Site ID:RD2062U03RM29.93]					

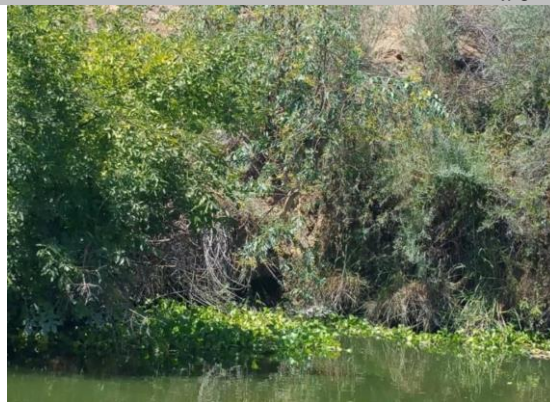
LM Start	<b>-0.04</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2016\_RD2062U03RM29.93\_1.jpg



Front view of the erosion.

Photo 2 of 2 : SJR2016\_RD2062U03RM29.93\_2.jpg



Close view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809514 °	37.809514 °
				-121.390125 °	-121.390125 °
DWR ID					
Comment Code					
Inspector Comment					
11/09/2016: No significant change observed.					
06/25/2015: The erosion is below a large oak tree. Vegetation is visible around the erosion site. [2016 Site ID:RD2062U03RM29.94]					

Photo 1 of 2 : SJR2016\_RD2062U03RM29.94\_1.jpg



Front view of the erosion site. Note the large tree above the erosion.

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2016\_RD2062U03RM29.94\_3.jpg



Close view of the erosion.

LM Start	0.08	Rating **	C	Issue No.	3
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.809727 °	37.809727 °
				-121.389100 °	-121.389100 °
DWR ID	DWR_RD2062_03_f_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2062 Stewart

Close view of the site. Note vegetation at the site.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.17	Rating **	N	Issue No.	6
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810194 °	37.810194 °
				-121.387602 °	-121.387602 °
DWR ID	DWR_RD2062_03_s_2012_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_6\_20160929\_00059.jpg



View of the tree stump on the waterside levee slope.

LM Start	0.17	Rating **	M	Issue No.	5
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810268 °	37.810268 °
				-121.387495 °	-121.387495 °
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: The protection at the levee toe has been washed away.					
[2016 Site ID:RD2062U03RM30.1]					

Photo 1 of 2 : SJR2016\_RD2062U03RM30.1\_1.jpg



Direct view of the site.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.17	Rating **	M	Issue No.	5 (cont)	
LM End	0.17	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810268 °	37.810268 °	
				-121.387495 °	-121.387495 °	
DWR ID						
Comment Code						
Inspector Comment						
07/25/2016: No significant change observed.						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: No significant change observed.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: The protection at the levee toe has been washed away.						
[2016 Site ID:RD2062U03RM30.1]						

Photo 2 of 2 : SJR2016\_RD2062U03RM30.1\_2.jpg



Close view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.22	Rating **	U	Issue No.	8
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609 °	37.810609 °
				-121.385879 °	-121.385879 °
DWR ID					

**Comment Code**

**Inspector Comment**

07/25/2106: No significant change observed. More vegetation observed at the site.  
 06/25/2015: No significant change observed.  
 07/02/2014: No significant change observed.  
 08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.  
 08/07/2012: The site has been visited by boat survey. No significant change observed  
 08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.  
 09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.  
 08/06/2010: Recommended as local maintenance issue, per CLRO.  
 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.  
 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".  
 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2016 Site ID:RD2062U03RM30.19]

Photo 1 of 1 : SJR2016\_RD2062U03RM30.19\_2.jpg



Close view of the pocket erosion. Note the dense vegetation at the site.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	9
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.811101 °	37.811101 °
				-121.384402 °	-121.384402 °
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: The site is right at the downstream of a river bend. [2016 Site ID:RD2062U03RM30.27]					

Photo 1 of 3 : SJR2016\_RD2062U03RM30.27\_1.jpg



Front view of the erosion.

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_RD2062U03RM30.27\_2.jpg



Close view of the site. Note the dense vegetation at the site.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	9 (cont)	
LM End	0.35	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.811101 °	37.811101 °	
				-121.384402 °	-121.384402 °	
DWR ID						
Comment Code						
Inspector Comment						
07/25/2016: No significant change observed.						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: No significant change observed.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: The site is right at the downstream of a river bend. [2016 Site ID:RD2062U03RM30.27]						

Photo 3 of 3 : SJR2016\_RD2062U03RM30.27\_3.jpg



Front view of the erosion.

LM Start	0.51	Rating **	M	Issue No.	38
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812552 °	37.812552 °
				-121.382781 °	-121.382781 °
DWR ID	DWR_RD2062_03_s_ 2016_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_38\_20160914\_00039.jpg



View of the landside levee slope erosion around the pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.51	Rating **	U	Issue No.	48
LM End	0.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.812575 °	37.812575 °
				-121.382798 °	-121.382798 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50455  
DS\_ID:19200  
EP\_NO: 2029  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 08/31/2016: Sloughing of LS slope beneath exposed section of pipe. Overflow pipe has been replaced on WS, though I could not locate a permit for that work. (K. Fazel - UCIP)10/22/2013:- pits and holes on overflow pipe on waterside.- underpinning at pump support.- slope erosion on both sides of the levee.- 2-inch electric conduit on waterside and power pole on landside. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through the levee, 8 feet below the crown. Siphon breaker on the landside (LS) slope. Pump house on the waterside (WS) slope. Distribution box on the LS. 2-inch electric conduit on the WS and power pole on the LS. Newly installed (as of 2016) overflow pipe with shutoff valve on WS. (Permit No. 2029, 1954 - Island RD2062) [Additional Reference(s): DWR Levee Log, 2007].  
FS Date: 8/31/2016

LM Start	<b>0.51</b>	Rating **	U	Issue No.	<b>48 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_50455\_40158.jpg



WS view: pump house on levee slope and soil erosion on levee slope.

Photo 2 of 2 : UCIP\_FA\_2016\_50455\_40157.jpg



WS view: pump house on levee slope and holes-pits on corroded overflow pipe (left).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	13
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070 °	37.813070 °
				-121.383100 °	-121.383100 °
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed.					
08/23/2011: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope.					
08/06/2010: Recommended as local maintenance issue, per CLRO Report.					
03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year.					
09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U".					
11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2016 Site ID:RD2062U03RM30.43]					
LM Start	0.55	Rating **	M	Issue No.	13 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2016\_RD2062U03RM30.43\_2.jpg



Front view of the site. Previously placed rip rap slipped, exposing the underlying soils and creating a pocket.

Photo 2 of 2 : SJR2016\_RD2062U03RM30.43\_3.jpg



Front view of the site. Rip rap is no longer adequately protecting levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	0.61	Rating **	C	Issue No.	10
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813570 °	37.813570 °
				-121.382094 °	-121.382094 °
DWR ID	DWR_RD2062_03_s_2012_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump in slope.					

No Photos

LM Start	0.64	Rating **	C	Issue No.	12
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813894 °	37.813894 °
				-121.381680 °	-121.381680 °
DWR ID	DWR_RD2062_03_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
2 stumps on waterside slope.					

No Photos

LM Start	0.81	Rating **	C	Issue No.	11
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816315 °	37.816315 °
				-121.381587 °	-121.381587 °
DWR ID	DWR_RD2062_03_s_2012_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Cracking developing along the waterside levee hinge.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.04	Rating **	M	Issue No.	36
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817764 °	37.817764 °
				-121.378623 °	-121.378623 °
DWR ID	DWR_RD2062_03_s_2016_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_36\_20160914\_00038.jpg



View of the tree at the landside levee toe.

LM Start	1.05	Rating **	C	Issue No.	34
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817897 °	37.817897 °
				-121.378649 °	-121.378649 °
DWR ID	DWR_RD2062_03_f_2015_34				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA grouted rodent burrows.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.18	Rating **	U	Issue No.	17
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.819290 °	37.819290 °
				-121.378880 °	-121.378880 °
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide.					
08/06/2010: Recommended as local maintenance issue, per CLRO.					
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year.					
09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12,LM1.25; previously rated "U".					
09/14/2006: 1-2' into prism. [2016 Site ID:RD2062U03RM31.12]					

Photo 1 of 1 : SJR2016\_RD2062U03RM31.12\_2.jpg



Front view of the site.

LM Start	1.31	Rating **	C	Issue No.	32
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.820390 °	37.820390 °
				-121.377148 °	-121.377148 °
DWR ID	DWR_RD2062_03_s_2016_32				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.32	Rating **	M	Issue No.	42
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820483 °	37.821253 °
				-121.377118 °	-121.376993 °
DWR ID	DWR_RD2062_03_f_2016_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.35	Rating **	A/W	Issue No.	18
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820885 °	37.820885 °
				-121.376986 °	-121.376986 °
DWR ID	DWR_RD2062_03_s_2012_18				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush blocks visibility.					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_18\_20160914\_00029.jpg



05/11/2011 Elderberry bush on water side slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	43
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.821380 °	37.821380 °
				-121.376900 °	-121.376900 °
DWR ID					

**Comment Code**

**Inspector Comment**

07/25/2016: No significant change observed.  
 06/25/2015: No significant change observed.  
 07/02/2014: No significant change observed.  
 08/13/2013: No significant change observed.  
 08/07/2012: The site has been visited by boat survey. No significant change observed  
 08/23/2011: No significant change observed on site.  
 09/07/2010: No significant change observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.  
 08/06/2010: Recommended as local maintenance issue, per CLRO.  
 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010.  
 09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M".  
 11/05/2008: Portion of rip rap collapsing.  
 09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree.  
 [2016 Site ID:RD2062U03RM31.28]

LM Start	<b>1.39</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2016\_RD2062U03RM31.28\_1.jpg



Front view of the erosion site.

Photo 2 of 2 : SJR2016\_RD2062U03RM31.28\_3.jpg



Front view of the site. Note the existing broken concrete on the upper levee slope as well as on the lower slope and at the toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 2062 Stewart

No Photos

View of a tire rut on the landside levee hinge.

View of the vegetation on the landside levee slope.

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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	1.66	Rating **	C	Issue No.	15
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820890 °	37.820890 °
				-121.372227 °	-121.372227 °
DWR ID	DWR_RD2062_03_s_2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.75	Rating **	C	Issue No.	16
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820902 °	37.820902 °
				-121.370565 °	-121.370565 °
DWR ID	DWR_RD2062_03_s_2012_16				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.12	Rating **	A/W	Issue No.	40
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.818620 °	37.818620 °
				-121.364830 °	-121.364830 °
DWR ID	DWR_RD2062_03_f_2016_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
LMA corrected the erosion of levee due to break in the pipe.					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_40\_20160929\_00057.jpg



View of the landside levee slope damaged by pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.51	Rating **	C	Issue No.	30
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.816930 °	37.816930 °
				-121.359025 °	-121.359025 °
DWR ID	DWR_RD2062_03_f_2015_30				
Comment Code					
Inspector Comment					
LMA grouted the rodent burrow.					

No Photos

LM Start	2.77	Rating **	M	Issue No.	44
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354339 °	-121.354339 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23311					
DS_ID:19202					
EP_NO: 2505					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch and 14-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. (App. No. 2505)					
FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_23311\_40175.jpg



WS view: wooden walkway to pumphouse, pumphouse on wooden pile structure in the stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	44 (cont)	
LM End	2.77	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °	
				-121.354339 °	-121.354339 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23311						
DS_ID:19202						
EP_NO: 2505						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside.						
FIELD_STRUCT_DESC: 2 of 2: 16-inch and 14-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. (App. No. 2505)						
FS Date: 10/22/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_23311\_40174.jpg



WS view: exposed steel pipes and an electric conduit on levee slope.

LM Start	2.77	Rating **	M	Issue No.	45
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354334 °	-121.354334 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23312					
DS_ID:19205					
EP_NO: 2505					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside.					
FIELD_STRUCT_DESC: 1 of 2: 14-inch and 16-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. Timber bulkhead and slab on the waterward slope. Timber bulkhead and slab on the waterward slope. Installed by the United States Army Corps of Engineers, 1963. (App. No. 2505)					
FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_23312\_40181.jpg



WS view: wooden walkway to pumphouse, pumphouse on wooden pile structure in the stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	45 (cont)	
LM End	2.77	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.816362 °	37.816362 °	
				-121.354334 °	-121.354334 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23312						
DS_ID:19205						
EP_NO: 2505						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside.						
FIELD_STRUCT_DESC: 1 of 2: 14-inch and 16-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. Timber bulkhead and slab on the waterward slope. Timber bulkhead and slab on the waterward slope. Installed by the United States Army Corps of Engineers, 1963. (App. No. 2505)						
FS Date: 10/22/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_23312\_40179.jpg



WS view: exposed steel pipes and a electric conduit on levee slope.

LM Start	2.79	Rating **	C	Issue No.	22
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816341 °	37.816341 °
				-121.354008 °	-121.354008 °
DWR ID	DWR_RD2062_03_s_2012_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	2.85	Rating **	C	Issue No.	23
LM End	2.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816330 °	37.816330 °
				-121.352775 °	-121.352775 °
DWR ID	DWR_RD2062_03_s_2012_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.04	Rating **	C	Issue No.	25
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817791 °	37.817791 °
				-121.350088 °	-121.350088 °
DWR ID	DWR_RD2062_03_s_2012_25				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.10	Rating **	C	Issue No.	26
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818532 °	37.818532 °
				-121.349510 °	-121.349510 °
DWR ID	DWR_RD2062_03_s_2012_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	3.40	Rating **	M	Issue No.	39
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819007 °	37.817526 °
				-121.345610 °	-121.343479 °
DWR ID	DWR_RD2062_03_f_2016_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_39\_20160929\_00056.jpg



View of the vegetation at the landside levee toe.

LM Start	3.61	Rating **	M	Issue No.	31
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816982 °	37.816541 °
				-121.342939 °	-121.342191 °
DWR ID	DWR_RD2062_03_s_2015_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
About a 3 ft vertical cut at the levee toe into the levee prism.					

Photo 1 of 1 : FA\_2016\_RD2062\_311\_31\_20160914\_00034.jpg



View of the eroded landside levee toe.

LM Start	4.14	Rating **	C	Issue No.	33
LM End	4.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820407 °	37.820407 °
				-121.338122 °	-121.338122 °
DWR ID	DWR_RD2062_03_s_2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2062 Stewart

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	5.16	Rating **	C	Issue No.	28
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.808340 °	37.808340 °
				-121.334932 °	-121.334932 °
DWR ID	DWR_RD2062_03_s_2016_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.37	Rating **	M	Issue No.	47
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331290 °	-121.331290 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23142					
DS_ID:19203					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse.					
FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm.					
FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_23142\_39549.jpg



WS view: steel walkway to pump house in the stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	47 (cont)	
LM End	5.37	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.807305 °		37.807305 °
				-121.331290 °		-121.331290 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23142 DS_ID:19203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_23142\_39548.jpg



WS view: two 16-inch pipes under walkway. Gate valve without handle on one of the pipes.

LM Start	5.37	Rating **	M	Issue No.	46
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331276 °	-121.331276 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23140 DS_ID:19206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_23140\_39531.jpg



WS view: steel walkway to pump house in the stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	09/28/2016 09/28/2016	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	46 (cont)
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331276 °	-121.331276 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23140 DS_ID:19206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013					

Photo 2 of 2 : UCIP\_FA\_2016\_23140\_39530.jpg



WS view: two 16-inch pipes under walkway. Gate valve without handle on one of the pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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